## HE SECRET OF SEASICKNESS AND HOW TO

UST what are the physical causes of seasickness is here intelligently explained. The article is accompanied by a diagram which shows at a giance the origin of the trouble. It is directly traceable to the pneumogastric nerve, which is an extremely sensitive organ of the nervous system; so sensitive, in fact, that it is disturbed and aggravated by the mere proximity to motion. It has four different ways of asserting its distress, all of which develop into seasickness of a very exasperating kind.

Dr. Franklyn Sylvester, attending physician of the Columbus Hospital, herewith presents a lucid explanation of the causes of this dreaded mainty:

## THE FOUR CAUSES OF SEASICKNESS.

By Franklyn Sylvester, M. D.

'O the Editor of the Journal:

There is in our nervous organism a nerve known as the pneumogastric nerve, whose only function is to make trouble for human beings. Its particular function is to bring about seasickness, which it succeeds

in doing on the slightest provocation.

Let us begin at the brain, where the pneumogastric nerve has one of its tantalizing ends. The other is in the stomach. Now, the brain is movable; therefore less liable to injury through concussion. The stomach contains muscles that are partly under the control of the will. These semi-voluntary muscles are very largely controlled by the pneu-nerve, which has the faculty of becoming irritated at both ends. The spinal

cord and the spine are affected by this nerve when it becomes belligerent. Therefore, there are four different ways that one can generate a very distressing seasickness: 1. Through the brain, by way of the pneumogastric nerve. 2. Through the brain, by way of the spinal cord. 3. Through the spinal cord direct to the stomach by the pneumogastric nerve, and 4, back again. They are all primarily due to the unusual movements of this nerve, which create a congestion of the blood in the small blood

Some people become "seasick" from riding backward in a railway car, which is <del>\*</del>

## ONLY WOMAN WHO EVER

## LIFTED A ROARING LION.



MME. PARA MORET AND THE MIGHTY LION.

All the streams on the eastern side of

Luzon carry gold down from the mountains, and no brook finds its way into the Pacific Ocean whose sand and gravel do not pan at least a yellow color. Even now

very little is known about the geology of the Philippines, and their mineral resources

The vegetation of the islands is so dense

that ordinary prospecting is out of the

question. In other wards, individuals can

accomplish very little in the way of ex-

ploring and locating valuable deposits. However, Uncle Sam is behind this enter-

prise, and he has plenty of money to spend

From the earliest times Spanish travellers

have written about the latent golden wealth of the archipelago, but the Dons have never

had the enterprise and industry to develop it. When they first landed on the islands

they found gold an article of traffic smong the natives, just as it is now. In Piga-fetta's "Diary of Magellan's Voyages" the

natives are described as wearing golden or-

naments, and as offering to present a bar

of the metal to the commander of the paval expedition. A still extant Chinese book,

dated in the third century A. D., describes a trading voyage from Amoy to Manlia, and mentions gold as the chief product of

Nowadays, outside of the large towns in

the Philippines, the traffic in gold is very extensive, that metal being, in fact, the

principal medium of exchange. It is

weighed in small scales, its value being estimated at about \$11 an ounce usually,

though in smaller quantities it brings only

\$10. Owing to its impurity it is not worth much more. Gold hunting is practised by

the natives in a desultory fashion, when an overdue tax or an approaching holiday

with its cock fights makes the possessio

desirable.

of a few dollars in cash more than usually

It is known that there is a great deal of

gold in the province of Benguet, Central Luzon, and also in Northeastern Surigao.

on the Island of Mindanao. The streams in

One reason why so little is known of the

gold of the Philippines is that there has never been any official control of the autput, or any tax upon it. The miners mostly live in isolated districts, and communica-

tion between villages is rare. The universal

man of business is the omnipresent China-

man, perambulating pedler or storekesper

with fixed abode, who penetrates the dis trict settlements, buys gold with his waves and sends it out of the country to Hong Kong, Amoy, or elsewhere. His business is

to keep the extent and volume of his trade

Parucale gold dust is well known in

Surigno are particularly rich.

are wholly undeveloped.

marvellous to make a vandeville sensation in Paris. But that is what Mme. Para Moret is doing by her Hon-lift.

With won derful courage she picks up a shaggy roaring monster and throw + him across her shoul abandon as a hunter. bears off a deer.

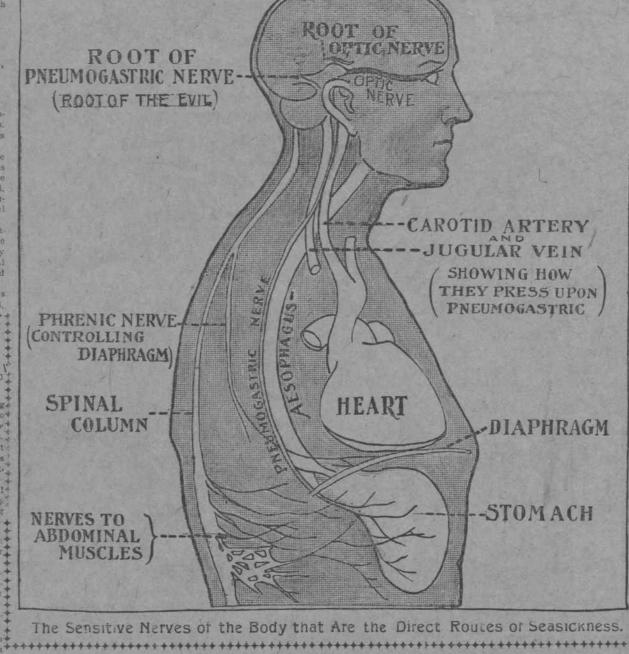
It was fierce com petition in the lionraining line that prompted Mme. Mo ret to adopt this particular feat.

Another lady lion trainer had proved a+++++ blg drawing card by lifting a lioness weighing over one hundred pounds.

Mme. Moret at once determined to outdo this. She began lifting small lions, and

TO HUNT FOR GOLD

A corresponding device is in position on the Eurited States Geological Survey Manila, though few Manilese know where the first of the Philad States Geological Survey Manila, though few Manilese know where the first of the Philad States Geological Survey Manila, though few Manilese know where the first of the Philad States Geological Survey Manila, though few Manilese know where the first of the Philad States Geological Survey Manila, though few Manilese know where the first of the Philad States Geological Survey Manila, though few Manilese know where the first of the Manilese know where the first of the movement of the knee joint can be allowed. Then the parameter is attained. The first of the parameter is attained. The first of the point of the knee panal its lease of the joint by degrees at a statalned. The first of the conditions of the mark of the knee panal its lease of the joint by degrees at a statalned. Then the conditions of the movement of the knee joint can be allowed. Then the conditions of the movement of the knee joint can be allowed. Then the conditions of the movement of the knee joint can be allowed. Then the conditions of the conditions of the conditions of the conditions of the co dently predicted, indeed, by persons well = acquainted with the conditions, that the gold fields of the archipelago will rival those of Alaska and South Africa.



# THE PRINCE OF WALES'S INJURED KNEE AS IT LOOKS CASED IN STEEL RODS.

A corresponding device is in position on By filing the edge of the joint by degrees

London, Sept. 3. yacht races at Cowes almost as well as forward.

HE PRINCE OF WALES'S when he could tread the deck.

By this device the knee may be bent always wears sandals.

accident resulting in the During this time his injured leg has been backward in the usual way in walking, and To see her tripping

athering to repair the waste, swells and presses upon the roots of the nerves in the brain, Irritating the pneumogastric nerve, which convulses the stomach and creates sea-ickness. It is not necessary to be upon the sea to get seasick, however,

When the spinal cord is attacked it conveys the irritation to its branches and the abdominal rescies in turn contract. Then there is trouble that cannot be stayed, and you are soasick unto death. When the stomach is assailed independently the pneumomatric nerve plays its part and handles the job just the same. There is no possible

way to miss the riot when once you find it getting possession of you.

The only way to escape seasickness is to keep the blood away from the nerve centres, where it congests, and then makes a requisition upon the pneumogastric nerve to tangle up your interior organism. A small rubber ice-bag placed next to the spinal column and worn under the clothing will do wonders toward preventing seasickness. If you can't get that, lie as nearly as possible in the centre of the ship. Plenty of Ice water will help you, and another mild relief is to wrap a towel tightly around the

abdomen or cluch up your yachting belt.

When you first feel it coming on, eat a few pieces of lump sugar containing a drop of chicroform. Baked apples are good for some people. But as a rule you never want

to see food again as long as you live.

It has been found that deaf mutes are never seasick, and also that people deaf in one ear are not likely to be affected. This is so because the semi-circular canals on the inner ear are so affected that they operate upon the brain and affect one's sense of

Some people never get seasick under any circumstances. Other fall victims to it

at the merest suggestion of motion, whether they actually experience it or view it from a distance. Cases have been known where a man would look at the waves from a pier and in a short time become as seasick as one who had been pitched around in the billows off the Maine coast. Persons with a good heart and regular circulation and pulse are not as liable to

seasickness as irritable and emotional persons. The French and Italians, being seasitive and excitable people, will convert a transatiantic liner into a hospital ship inside of two hours off land. They get seasick in droves, and half of them make wills before the first day is over.

One good thing about seasickness is that when its effects have gone you can eat heartily and enjoy your food immensely.

Too best possible preventive is to stay on land.

### WOMAN WHO

HIS dainty comedlenne has a pair of feet that re an artist's dream, and to preserve their perfect form she wears sandals like a Grecian maid. Hattie Schell, of the

Pacheco Company, is the daughter of an ar tist, the late Joseph S. Scholl, the landscape painter. He was always very proud of I the beautiful form of his child, and when she was an infant de clared she should never wear either astays or shoes.

\* She has lived up to her father's ideals. when she ever puts on a conventional stiff shoe is when costuming for the stage.



It is a current tradition that Buddha was the son of Suddhodana, King of Kapila-vastu, in Nepaul, India. This city has at last been definitely located; its ruins have been laid bare. Buddha lived and worked in the sixth century B. C., and Kapilavastu has been unoccupied since 410 B. C. Its ruins are now being excavated, bringing to light buildings more ancient than any others which have been found in India,

Tradition stated that Buddha was born in the Lumbini Garden, and this very spot has been found, having been identified by & pillar erected in the third century B. C., by the Emperor Asoka, the Constantine of Buddhism. The inscription on the pillar is still perfect. It stands on the western edge of a mound of rulus about a hundred yards in diameter, and on the south side of the mound is the tank in which the child's mother bathed after its birth.

But the most startling of this chain of discoveries was made in a stupa, or brick tumulus, close to the British frontier—the relies of Buddha himself. These consist of fragments of bone, which were deposited in a wooden vessel that stood at the bottom of a massive coffer, more than four feet long and two feet deep, cut out of a solid block of fine sandstone. This coffer was buried under eighteen feet of masonry, composed of huge bricks, each 16 inches

The wooden vessel was decayed, and with it was an exquisitely finished bowl of rock crystal, the largest yet discovered in India, together with five small vases of soapstone. All these vessels were partially filled, evidently in honor of the relies, with a marvellous collection of gold stars, pearls, topazes, bergis and other jewels and of various objects delicately wrought in crystal, agate and other substances.

An inscription on one of the sonpstone vases declared the relies to be those of Buddha himself, and the very characters in which this inscription is written are substantially the same as those of the Asoka inscriptions, and indicate that the tumulus, or "stupa," was constructed between 300 and 250 B. C. These discoveries substantiate in every respect the oldest traditions

as to the birthplace and scene of the activity of Buddha, 2,400 years ago.

These discoveries will create a wide-spread sensation, not only among the Christian students of Buddhism, but also among the many hundred millions who worship Sakya Muni (Buddha.) None can any longer doubt the actuality of that man whose strikingly noble and humane career has been frequently thought worthy of comparison with that of Jesus.

Buildha was an original thinker and teacher. So, deeply conscious of the degrading thraidom of easte and the priestly treanny of the Brahmas, and profoundly impressed with the pathos and struggles of life, he sought earnestly for some method of escaping from existence and its accompanying sorrows.



The Prince and Princess of Wales Watching the Cowes Yacht Races on Board the Royal Yacht Usborne. (Drawn from Life for the London Graphic by Special A-tist Sydney P. Hall.)